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CLAIMS WE CLAIM:

1. (Currently Amended) Control unit for an electric motor, particularly for an electric motor of an actuator, which is equipped with a control board and a capacitive energy storage device which can be charged by the supply network in order to supply power to the electric motor in the event of a power failure, characterized in that the control unit (10) is equipped with a sensor (12) for determining the ambient temperature or to which a corresponding sensor is assigned such that the respectively measured temperature can be converted by means of a converter into control signals, and in that the charge voltage of the capacitive energy storage device C can be controlled as a function of the temperature by means of a voltage converter (13). A control unit for an electric motor of an actuator, the control unit comprising:

a controller;

a capacitive energy storage device chargeable by a supply network to supply power to the electric motor in the event of a power failure, the capacitive energy storage device having a charge voltage;

a temperature sensor assigned to the control unit to measure an ambient temperature; and

a charge converter configured to convert the measured ambient temperature into a control signal to control the charge voltage of the capacitive energy storage device as a function of the measured ambient temperature.

2. (Currently Amended) Control unit according to Claim 1, characterized in that the operational voltage for the capacitive energy storage device can be controlled by means of the charge converter (13) as a function of the measured ambient temperature to a constant or an approximately constant value.

3. (Currently Amended) ~~Control~~The control unit according to Claim 1 or 2, characterized in that wherein the capacitive energy storage device (13) ~~can be~~ is continuously acted upon by means of its respective the operational voltage.

4. (Currently Amended) ~~Control~~The control unit according to ~~one or more of the preceding Claims 1 to 3, characterized in that~~Claim 1, wherein the temperature sensor or the temperature probe is integrated in the ~~control board~~controller of the control unit (10).

5. (Currently Amended) ~~Control~~The control unit according to ~~one or more of the preceding Claims 1 to 4, characterized in that~~Claim 1, wherein the capacitive energy storage device (13) ~~can be~~ is acted upon by electric energy from ~~the~~an electric motor circuit.